COBB COUNTY
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION

Cumberland Boulevard Roadway Improvements
Project No. X2604
P.I. No. 0014012
October 10, 2016

ADDENDUM NO. 2

Proposals Received Until October 13, 2016 – 12:00 Noon Local Time

The following addendum hereby amends and/or modifies the Bid Documents and Contract Specifications as issued for this project. All bidders are subject to the provisions of this Addendum. **Bidders shall acknowledge receipt of this addendum and must use the attached revised bid schedule of items.**

NOTE: Addenda and plan holder lists will be posted online at the following websites:
Cobb County Purchasing
http://www.cobbcounty.org/index.php?option=com_content&view=article&id=1963&Itemid=629
Cobb County DOT
http://www.cobbcounty.org/index.php?option-com_content&view=article&id=904&Itemid=607
Bid Express
www.bidexpress.com

Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

A Disadvantaged Business Enterprise (DBE) PARTICIPATION GOAL OF 10% has been established for this project. Bidders shall comply with 49 C.F.R. Part 26 in their efforts to attain this goal. Bidders shall be required to document sufficient DBE participation to meet this goal, or alternatively document good faith efforts to do so.

In an effort to meet Title VI requirements, contractors are encouraged to fill out the form in the bid package. This is strictly voluntary. Please place form in a separate envelope and deliver to Cobb County Purchasing Department.

Please see attached plans for additional lighting added south of Akers Mill Road. Quantities are included in revised bid schedule.

Light pole foundations shall be included in the price of the lighting standard.

Lights P23-P25&S22-S25 shall be provided to the Contractor by Cobb DOT. The Contractor shall include the cost of these foundations in the bid.

I. BID SCHEDULE

Please see attached revised bid schedule.

II. QUESTIONS/ANSWERS

Q. Referring to line item 535(643-8300 ORNAMENTAL FENCE) in bid schedule, please provide the detail for ornamental fence.

A. Please see attached, height is four foot.

Q. Typical Section #5 for Cumberland Pkwy has a starting station of 14+00. The plans have a stated Limit of Construction of 15+68. Which one is correct?

A. Typical Section for Cumberland Parkway should start at station 15+68.

Q. Pay Item #155 is for Traffic Control Impact Attenuator – 1 ea. Notes on drawing 19-04 states that Temp Traffic Attenuator is to be included in the Bid Price for Traffic Control. How will Traffic Control Impact Attenuators be paid for?

A. Line item 150-5010, Traffic Control Impact Attenuator, shown on drawing 19-04 will be paid under Traffic Control Impact Attenuator. Any additional shall be included in traffic control pay item.

Q. The pay Item for the signs on the signal work is missing (636-1045). Please conform how it is to be paid.

A. The Pay Item number (636-1045) for all overhead signal related signs is shown in the signal quantity summary sheet for each respective intersection.

Q. On sheet 5-09, there is a Shoulder Detail for Sta 140+55 to 141+45 LT. This detail shows a "Turn-Down Sidewalk" wall. However, this wall is shown as a Gravity (Mortar Rubble) wall (Wall #3) in the plan view, wall profile and summary of quantity sheets. Please clarify the correct wall type.

A. Wall #3 is a gravity wall. Shoulder detail on sheet 5-09 will be deleted.

Q. How is the 4" concrete slab under the concrete/brick pavers paid? See sheet 5-07.

A. Paid by 441-0104 CONC SIDEWALK, 4 IN. This is already included in the CONC SIDEWALK, 4IN Quantities.

II. QUESTIONS/ANSWERS (continued)

Q. Please clarify how the sidewalk for the "Turn-Up Sidewalk" walls (Wall #1 & #2) are paid. The Summary of Quantity block on 6-02 shows they are paid as Class A Concrete including Rebar. However, the Summary of Quantity block for 4" Sidewalk (sheet 6-01) appears to include quantity within the limits of Walls #1 & #2.

A. Turn-up sidewalk paid by 500-3904 CLASS A CONC FOR SDWK & RET. WALL INCL REINF STELL. Pay item 441-0104 CONC SIDEWALK, 4 IN quantity will change from 2500 SY to 1800 SY

Q. Perforated Aluminum Specifications:
a. 16 Gauge aluminum is approximately 0.063 of an inch thick. Our experience and opinion is that this thickness is not sufficient to achieve the quality and strength of welds needed in this application nor will it be strong enough to accept solid mechanical connections in this application . Is 0.125 aluminum an acceptable base bid substitute?

A. Use 0.125 aluminum for bidding purposes.

Q. b. Perforated aluminum at 0.063 and/or 0.125 thicknesses will need additional framing over what is shown on the drawing to maintain a uniform, flat – level appearance. Is it acceptable to include the additional framing that will be required to be incorporated into the finished fence design?
i. Please note, This framing will be visible in the finished / installed product.

A. Additional framing, if required will be allowed subject to County approval.

Q. c. The available overall perforated aluminum sheet sizes for 0.063 or 0.125 aluminum do not exceed 60" x 120". To accomplish the design as shown without seams will require aluminum sheet sizes that will be approximately 8' x 9'.Can these panels be seamed and additional visible framework be included along those seam joints?

A. If required, seams and additional framing will be allowed subject to County approval.

Q. d. The perforated aluminum specifications call out for an anodized finish. The fence panels and frames are manufactured as a completely fabricated panel and will have the final finish applied after manufacture is complete. The designs show many of the fence Panels at an average dimension of 7'6" x 8'-4". This exceeds the 60" maximum dimension available for the dipping/ anodizing tank processes. In this application we would recommend a 2 coat Kynar/fluoropolymer finish which is considered a stronger – more durable finish with much greater UV resistance. Is a 2 coat Kynar/fluoropolymer an acceptable base bid finish?

A. Yes the fluoropolymer is acceptable.

II. QUESTIONS/ANSWERS (continued)

Q. Aluminum wire mesh panel
a. It is our experience and opinion that 16 gauge aluminum wire mesh will not meet the strength requirements of this application. In similar applications we have utilized 2" x 2" Type 304 stainless steel wire mesh with .162 wire diameter secured by a 2" stainless steel banding at all sides. Is it acceptable to use this replacement specification in our base bid ?

A. See answer to question above regarding 16 gauge alum. Panel.

Q. The size constraints for both perforators and anodized finishers is prohibiting the project to be built as drawn.

A. See answer above.

Q. Can the fence section on the 5'-6" tall side be considered at 5'-2" tall as the resulting fence panel would be 5' tall.

A. Yes.

Q. Can the 8'-4" tall side consist of two framed fence sections 4'2" tall the bottom being a solid perorated sheet with the top panel being as drawn.

A. Yes.

Q. Can the fencing have a painted or powder coated finish?

A. Powder coat finish is acceptable.

Q. The mounting detail on the 8'-4" tall sections show thru bolting thru the existing concrete guardrail supports. Can it be assumed that thru bolting is possible as pictured without the chance of hitting re-bar in the column.

A. Assume thru bolting is possible.

Q. Are further details available for the intended cross section of the fencing as drawn as well as their connection details to the vertical 4" aluminum supports?

A. No further details available.

Q. The fence to post mounting detail calls for 2" x 5" plate with slotted holes. The face of the angle and the gap called out are 2" on all mounting plates that are not located on a top or bottom section will hang over into the perforated or mesh section. Is this OK or should these intermediate plates be shortened to live only on the face of the angle?

A. Plates should not hang over perforated mesh sections.

II. QUESTIONS/ANSWERS (continued)

Q. Would the radius detail on the fence section be better described as a "Built up H section" with a curved plate on the front and back? A T-section to us is saying there would only be one side that has the seam in materials covered? the back side would be the leg of the T. What was the design intent?

A. T-section is correct. The back side would be the leg of the T.

Q. As specified, the 2" x 3" angle would have the 2" face of the angle parallel to the fencing material leaving a 3" return. The fencing mesh and perforated sheet would be welded to the back face of that 2" angle leg. We want to confirm that is the intent and that it is understood that the back-side of fence would not be as neat as the face. Is this correct?

A. Yes.

Q. The drawing states that no chemical anchors are to be used. The left side of the bridge has the fence being mounted to the top of the new concrete parapet. We would like to confirm that chemical anchors will not be considered here either?

A. Chemical anchors are not to be used.

Q. Referring to line items 140(754-4000 TRASH CAN) & 145(754-5000 BENCH) in bid schedule, the detail for the products was found on Addendum-1. Is the county looking for specific model mentioned or an approved equal is accepted? Please clarify.

A. Approved equal is acceptable

Q. The drainage profiles call for a new structure E-1 (1011A) which is 31.73' deep in the middle of Cumberland Blvd. Why can't you tie into the existing manhole instead of replacing it?

A. The existing manhole will stay. The following pay items will be adjusted/added:

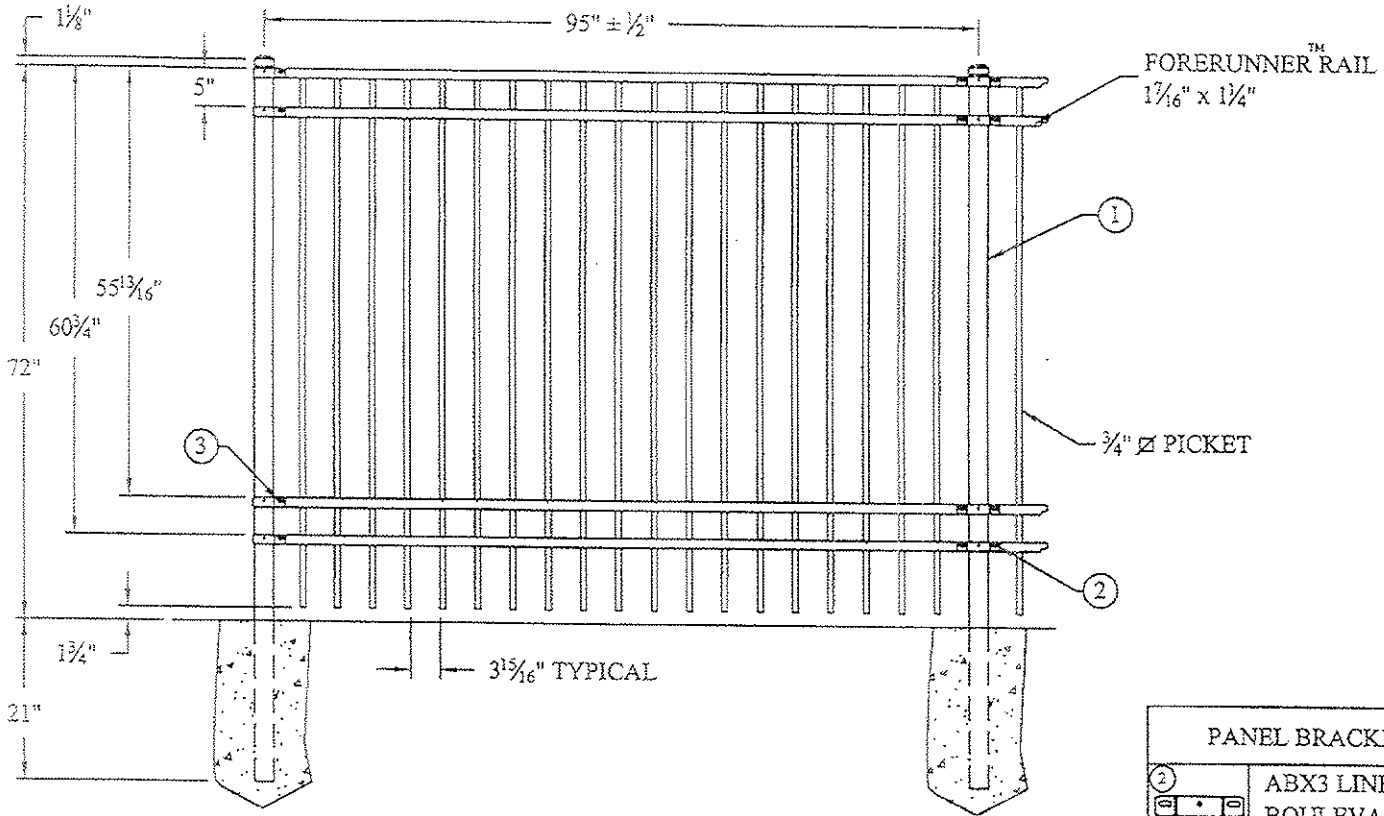
611-3000 ADJUST MANHOLE TO GRADE - From 1 EA to 2 EA
668-4400 STORM SEWER MANHOLE, TP 2 - From 1 EA to 0 EA
668-4413 STORM SEWER MANHOLE, TP 2, ADDL DEPTH, CL 3 - From 28 LF to 0 LF

Q. Does the GDOT Asphalt Index apply to this project?

A. No.

Michael L. Francis, P.E.
Pre-Construction Engineer

MLF/WK/jan
cc: *Electronic copies:*
Cobb County Purchasing (w/hard copy)
Jim Wilgus, CCDOT
Erica Parish, Deputy Director
Obie Brannon, CCDOT Construction
Brook Martin, CCDOT Operations
Wade Kelly, CCDOT Construction
Adam Lewis, CCDOT Construction
Kelly Patrick, CCDOT Operations
David Muller, CCDOT Utility Coordinator
Andy Rikard, CCDOT Utility Coordinator
Dyan Merced, CCDOT Engineering Division
Kari Parramore, CCDOT Construction
Jane Stricklin, CCDOT, Operations
Karyn Matthews, CCDOT Engineering KMM
Brian Loudermilk, CCDOT Engineering Division
Attachments: Revised Bid Schedule, Lighting Plans, Ornamental Fence Detail



PANEL BRACKET OPTIONS		① POST TO POST 8' NOMINAL	
②	ABX3 LINE BOULEVARD BRACKET (AS SHOWN)	*95" ± ½"	2½"Ø
③	ABX4 END BOULEVARD BRACKET (AS SHOWN)	*95" ± ½"	2½"Ø
	ABX5 CORNER BOULEVARD BRACKET	*95" ± ½"	2½"Ø
	ABX1 FLAT MOUNT BRACKET	*95" ± ½"	2½"Ø
		*95½" ± ½"	3"Ø
	ABX2 SWIVEL BRACKET**	*96½" ± ½"	2½"Ø
		*97" ± ½"	3"Ø

**NOTE: When using swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This may require trimming one or both ends of the panel as needed.

POST NOTE: In locations subject to freezing, where posts are grouted into core-drilled holes, a ¼" diameter hole should be drilled in the post approximately ½" above elevation to allow for drainage of built-up ground water. The drilled hole must be wiped clean, and dry and sprayed with AMERISTAR™ zinc rich primer and AMERISTAR™ color match finish.

FROST LINE: Footer depth shown is minimum recommendation. In some cases local restrictions of freezing weather conditions may require a greater depth.

*PANEL RAKING: Drawing shows fence panel at level ground elevation: for installations that must be raked to follow sloping grades, the post spacing dimension shown must be measured along the grade.

Title:
ECHELON PLUS PANEL MAJESTIC 4R EXT 4"GAP 6'H 8'W

Drawing Number:		Old Part Number:	
26-100-0010		AMX4728	
DR: AR	SH . 1of 1	SCALE: DO NOT SCALE	
CK: RTM	Date 02/20/07	REV: a	

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